CLAIMS

What is claimed is:

1. A system for providing a roaming subscriber with access to services available in a first telephone network, said subscriber roaming in a second
5   telephone network, the system comprising:

a packet-switch network connecting said first telephone network with said second telephone network,

wherein signals required for said services are transmitted between said first telephone network and said second telephone network via said
10   packet-switch network.

2. A system according to claim 1, wherein said first telephone network is one of a group including: a mobile telephone network, a fixed telephone network, a Global System for Mobile communications (GSM) network, a Time Division Multiple Access (TDMA) network, a Code Division Multiple Access (CDMA)
15   network, an IS-41 network, and a private branch exchange (PBX).

3. A system according to claim 1, wherein said second telephone network is one of a group including: a mobile telephone network, a fixed telephone network, a Global System for Mobile communications (GSM) network, a Time Division Multiple Access (TDMA) network, a Code Division Multiple
20   Access (CDMA) network, an IS-41 network, and a private branch exchange (PBX).

4. A system according to claim 1, further comprising a passive System Signaling Number 7 (SS7) monitor for monitoring SS7 signals and triggering

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the provision of access to at least one of said services when one of a group

of predetermined SS7 signals has been detected.

5. A system according to claim 4, wherein said predetermined SS7 signals

are Mobile Application Part (MAP) messages.

6. A system according to claim 5, wherein said messages are from a group

including: short messages and location updates.

7. A system according to claim 1, further comprising:

a first service node for transmitting said signals between said first

telephone network and said packet-switch network; and

a second service node for transmitting said signals between said

packet-switch network and said second telephone network.

8. A system according to claim 7, wherein said second service node

transmits dial tone multi-frequency (DTMF) signals *substantially* concurrently with the

creation of a voice path connecting said first telephone network with said

second telephone network, and said first service node synchronizes said

DTMF signals with said voice path.

9. A system according to claim 7, wherein said subscriber uses a short code

dependent upon the location of said subscriber to access said second

service node.

10. A system according to claim 7, wherein said first service node instructs

said second service node via said packet-switch network to generate and

send a short message.

11. A system according to claim 7, further comprising:

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a user profile of said subscriber, said user profile comprising at least

a subscriber calling line identification (CLI),

wherein said subscriber CLI is required for access to said services.

12. A system according to claim 11, wherein said second service node

5   receives said subscriber CLI from DTMF signals sent by said subscriber.

13. A system according to claim 11, wherein said second service node

receives a second CLI from said second telephone network and said second

CLI is associated with said subscriber CLI.

14. A system according to claim 11, wherein said second service node

10   creates a voice path connecting said second telephone network with said

first telephone network using a second CLI of said second service node, and

wherein said first service node replaces said second CLI with said subscriber

CLI when accessing one of said services.

15. A system according to any of claims 1 — 14, wherein said services include

15   voice message notification.

16. A system according to any of claims 1 — 14, wherein said services include

voice message retrieval.

17. A method for providing a roaming subscriber with access to services

available in a first telephone network, the method comprising the steps of:

20   connecting said first telephone network to a second telephone

network using a packet-switch network, said subscriber roaming in said

second telephone network; and

transmitting signals for said services over said packet-switch network.

18. A method according to claim 17, wherein said first telephone network is one of a group including: a mobile telephone network, a fixed telephone network, a Global System for Mobile communications (GSM) network, a Time Division Multiple Access (TDMA) network, a Code Division Multiple Access (CDMA) network, an IS-41 network, and a private branch exchange (PBX).

19. A method according to claim 17, wherein said second telephone network is one of a group including: a mobile telephone network, a fixed telephone network, a Global System for Mobile communications (GSM) network, a Time Division Multiple Access (TDMA) network, a Code Division Multiple Access (CDMA) network, an IS-41 network, and a private branch exchange (PBX).

20. A method according to claim 17, further comprising the steps of:

    monitoring SS7 signals; and

    upon detection of one of a group of predetermined SS7 signals, triggering the provision of access to at least one of said services.

21. A method according to claim 20, wherein said predetermined SS7 signals are Mobile Application Part (MAP) messages.

22. A method according to claim 21, wherein said messages are from a group including: short messages and location updates.

23. A method according to claim 17, further comprising the steps of:

    transferring dial tone multi-frequency (DTMF) signals over said packet-switch network;

concurrently with said step of transferring, creating a voice path connecting said first telephone network with said second telephone network; and

synchronizing said DTMF signals with said voice path.

24. A method according to claim 17, further comprising the step of:

using a short code dependent upon the location of said subscriber to access one of said services.

25. A method according to claim 17, further comprising the step of:

accessing said services using a subscriber calling line identification (CLI) stored in a user profile of said subscriber.

26. A method according to claim 25, further comprising the step of receiving said subscriber CLI from DTMF signals sent by said subscriber.

27. A method according to claim 25, further comprising the step of receiving a second CLI from said second telephone network, wherein said second CLI is associated with said subscriber CLI.

28. A method according to claim 25, further comprising the steps of:

creating a voice path connecting said second telephone network with said first telephone network using a second CLI; and

replacing said second CLI with said subscriber CLI when accessing one of said services.

29. A method according to ~~any of~~ claims 17 ~~— 28~~, wherein said services include voice message notification.

30. A method according to ~~any of~~ claims ~~17 —~~ 28, wherein said services include voice message retrieval.